

FIG. 1

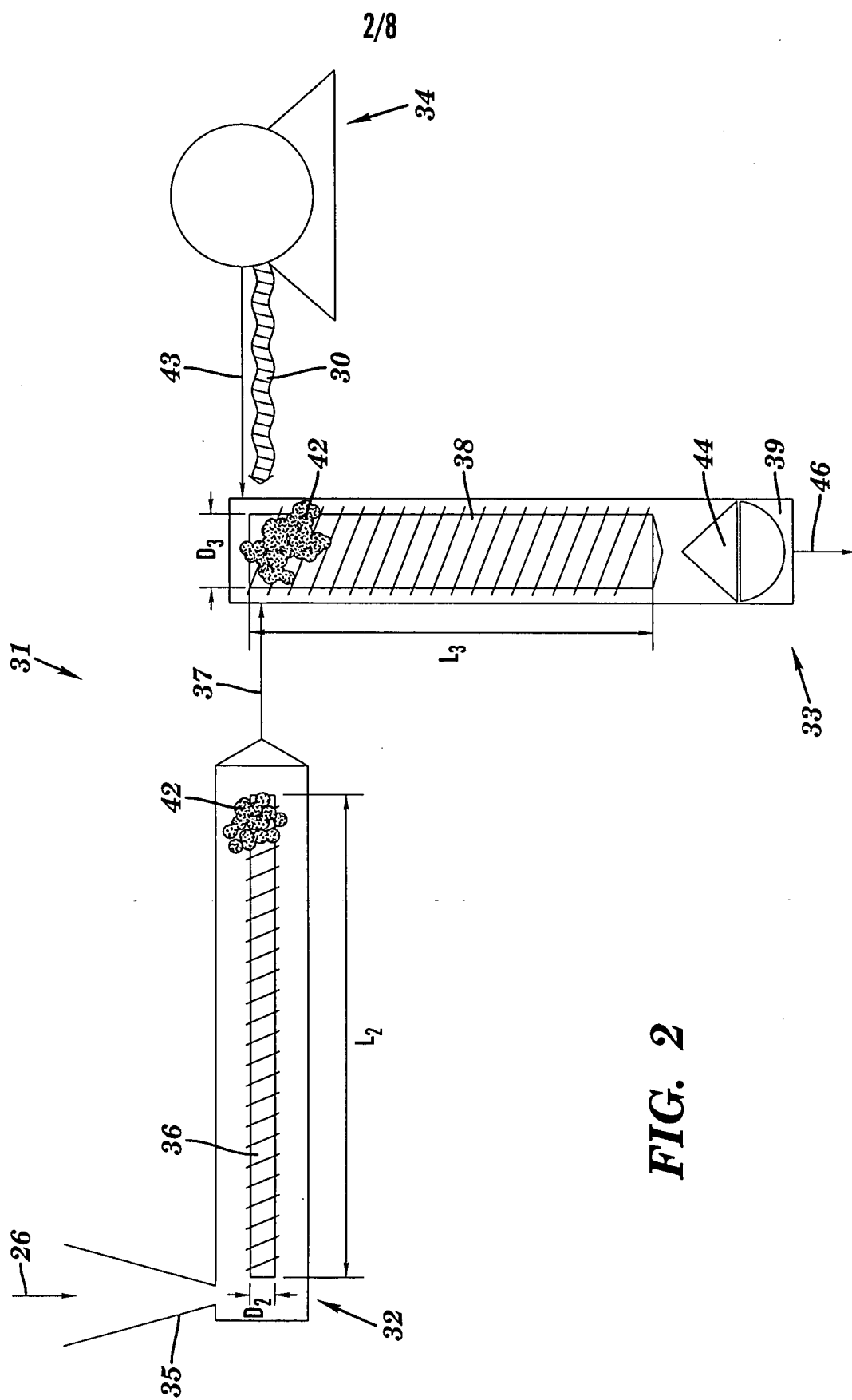
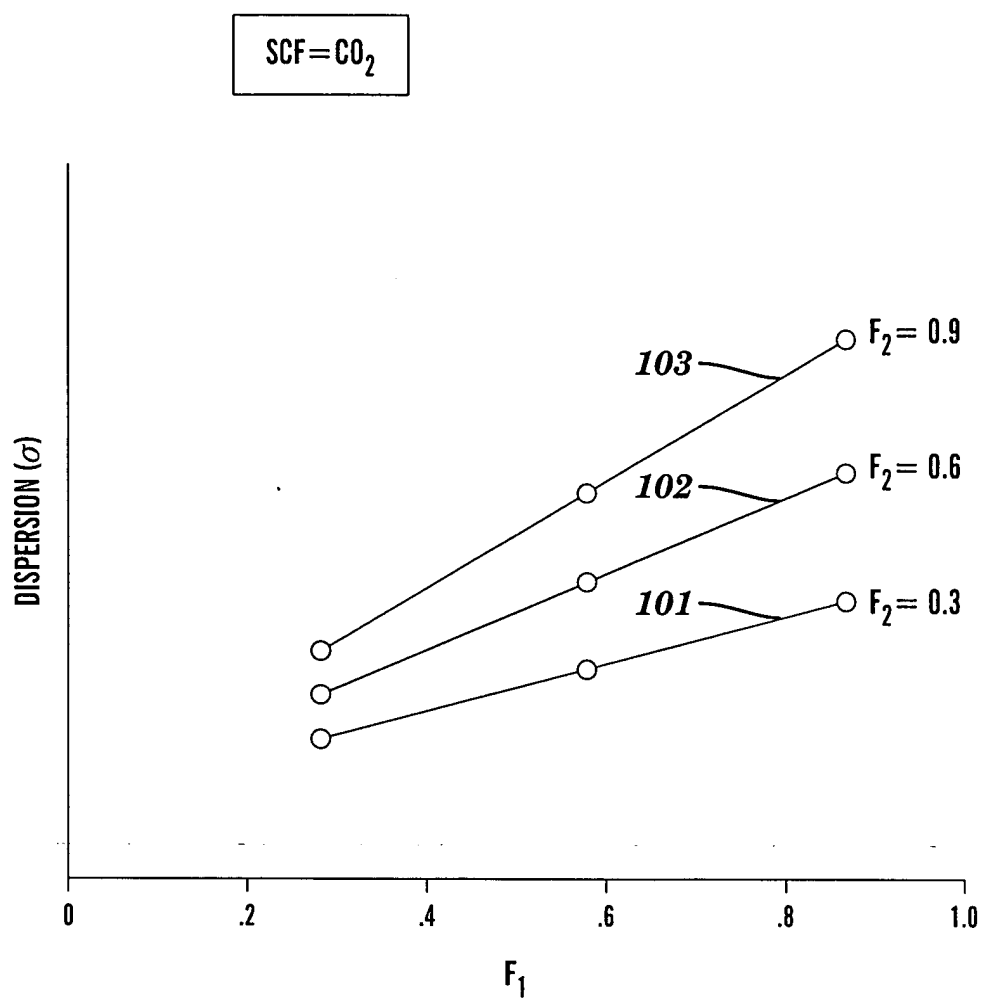


FIG. 2

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	1	2	3	4	5	6	7	8
Polymer	Sp	S _p - S _{scf}	SCF	S _{scf}	Clay	Sc	S _c - S _{scf}	
PS	9.2	5.7	CO ₂	3.5	Fluoro-2	4.5	1	
PS	9.2	5.7	CO ₂	3.5	Siloxane	5.4	1.9	
HDPE	8	4.5	CO ₂	3.5	Fluoro-2	4.5	1	
HDPE	8	4.5	CO ₂	3.5	Siloxane	5.4	1.9	
LDPE	8	4.5	CO ₂	3.5	Fluoro-2	4.5	1	
LDPE	8	4.5	CO ₂	3.5	Siloxane	5.4	1.9	
PP	8	4.5	CO ₂	3.5	Fluoro-2	4.5	1	
PP	8	4.5	CO ₂	3.5	Siloxane	5.4	1.9	
PVDF	6.6	3.1	CO ₂	3.5	Fluoro-2	4.5	1	
PVDF	6.6	3.1	CO ₂	3.5	Siloxane	5.4	1.9	
PS	9.2	3.7	R-12	5.5	Fluoro-1	5.9	0.4	
PS	9.2	3.7	R-12	5.5	Fluoro-2	4.5	1	
PS	9.2	3.7	R-12	5.5	Siloxane	5.4	0.1	
HDPE	8	2.5	R-12	5.5	Fluoro-1	5.9	0.4	
HDPE	8	2.5	R-12	5.5	Fluoro-2	4.5	1	
HDPE	8	2.5	R-12	5.5	Siloxane	5.4	0.1	
LDPE	8	2.5	R-12	5.5	Fluoro-1	5.9	0.4	
LDPE	8	2.5	R-12	5.5	Fluoro-2	4.5	1	
LDPE	8	2.5	R-12	5.5	Siloxane	5.4	0.1	
PP	8	2.5	R-12	5.5	Fluoro-1	5.9	0.4	
PP	8	2.5	R-12	5.5	Fluoro-2	4.5	1	
PP	8	2.5	R-12	5.5	Siloxane	5.4	0.1	
nylon 6	10	0	HCFC, CFC	8	A-Ammonium	8	0	
PET	11	0	HCFC, CFC	8	A-Ammonium	8	0	
PVA-VOH	11	0	HCFC, CFC	8	A-Ammonium	8	0	
POM	11	0	HCFC, CFC	8	A-Ammonium	8	0	
PVDC	12	0	HCFC, CFC	8	A-Ammonium	8	0	
PVOH	13	0	HCFC, CFC	8	A-Ammonium	8	0	
nylon 6, 6	14	0	HCFC, CFC	8	A-Ammonium	8	0	
PAN	15	0	HCFC, CFC	8	A-Ammonium	8	0	

FIG. 3

**FIG. 4**

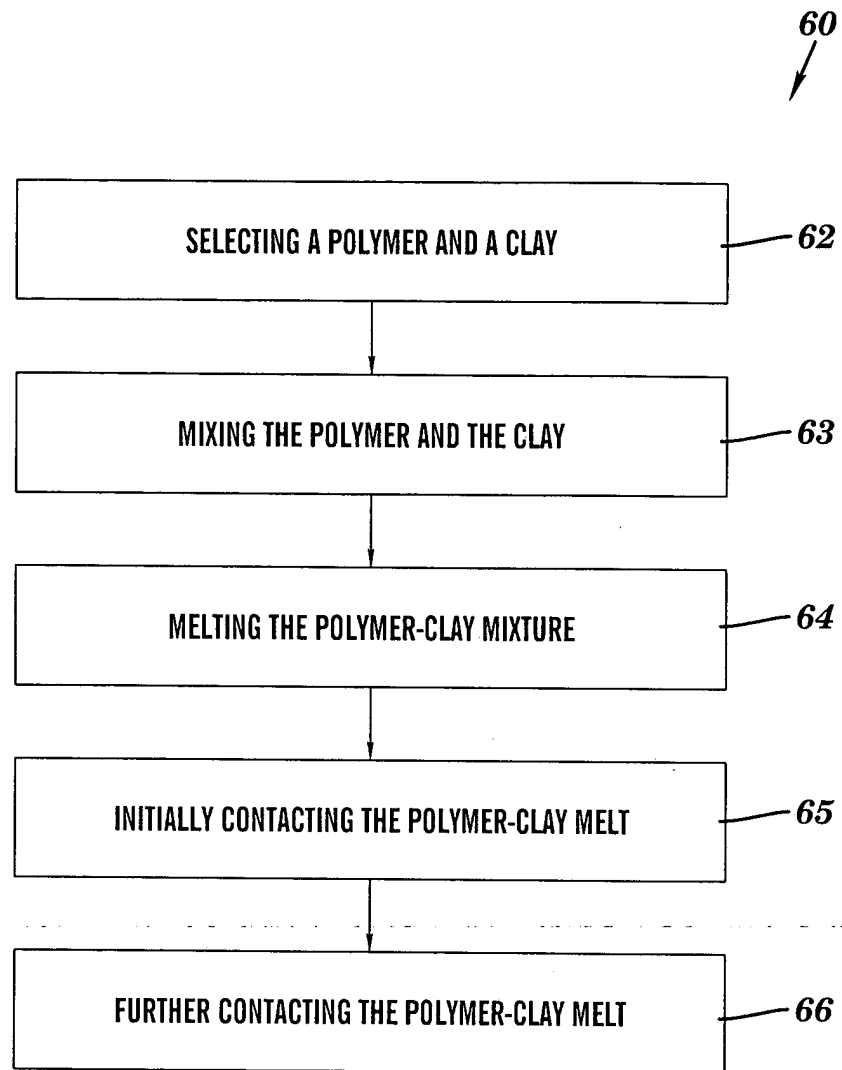


FIG. 5

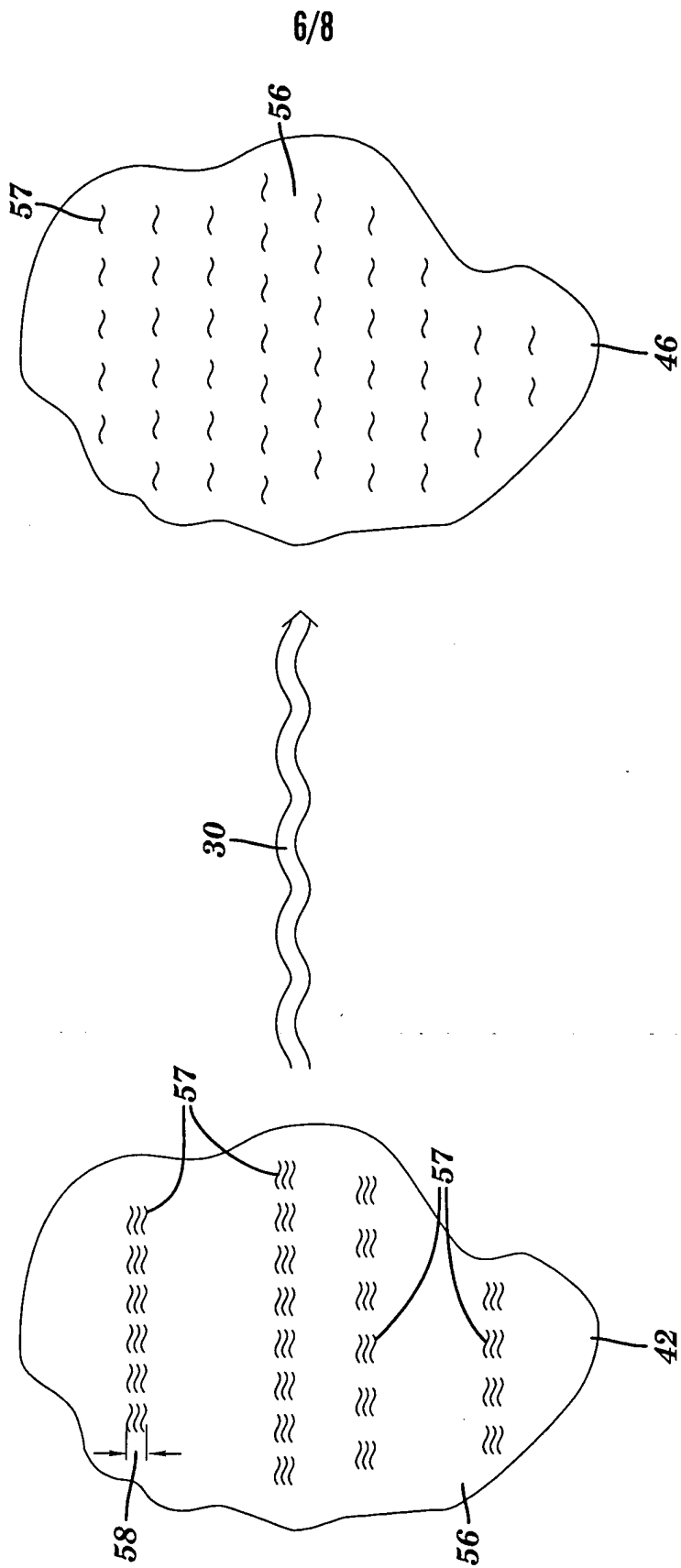
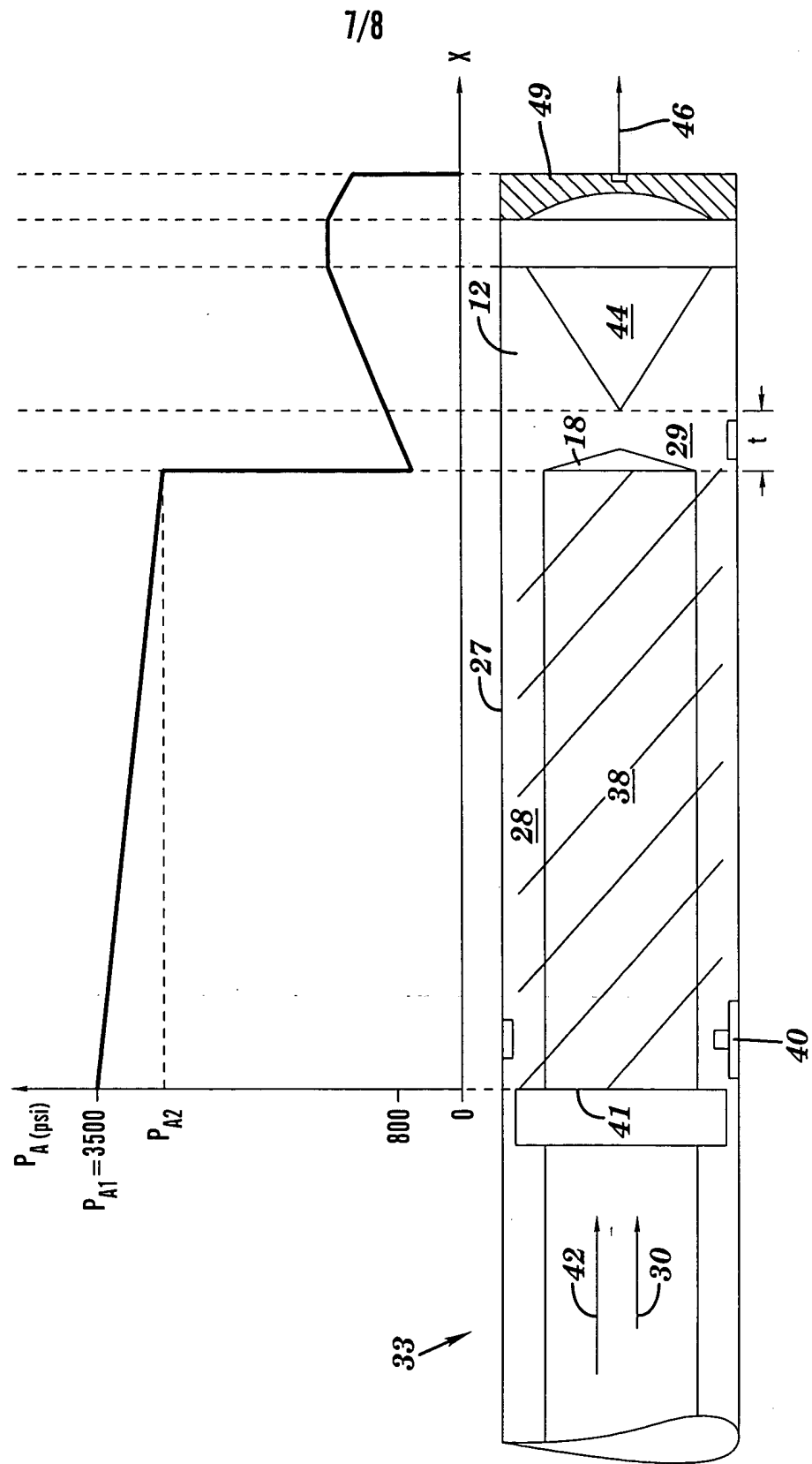


FIG. 6



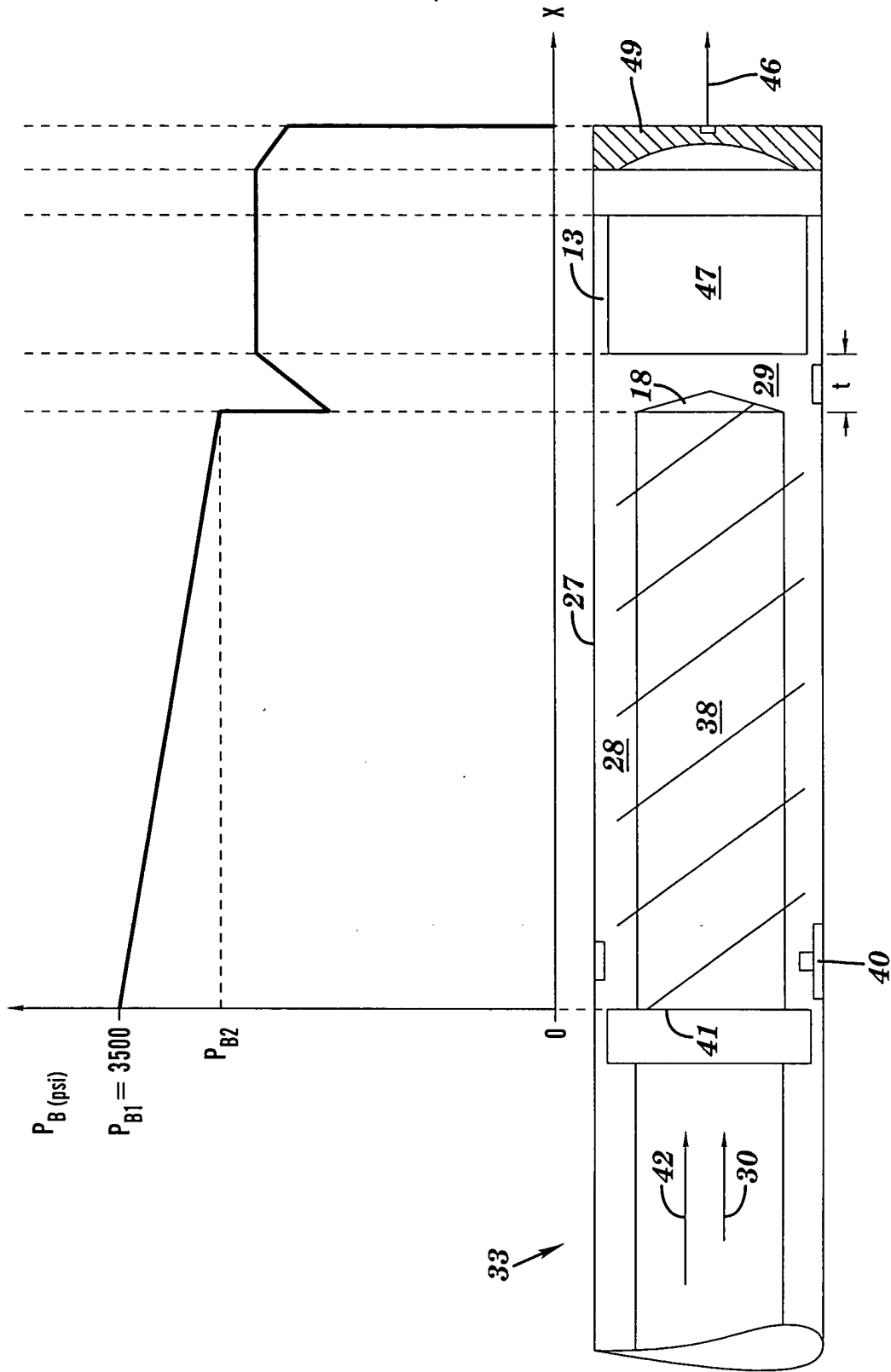


FIG. 7B